

REPORT DOCUMENTATION PAGE

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From: Ricky Yoneda ²
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Subject: ONR Pt Sur RV Award N00014-13-1-0581

Enclosed is the SF298 along with the final summary report which was sent previously. SF298 is enclosed per your office's request to Mr. Robert T. Schnoor, ONR Program Officer.

I can be reached at (408) 924-1441 or email:
ricky.yoneda@sjsu.edu for any questions.

Thank you.

Enclosure

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San Francisco, San José, San Luis Obispo,
San Marcos, Sonoma, Stanislaus

Final Technical Report
ONR Grant # N00014-13-1-0581

Date: August 20, 2014

Name and Address of Institution:

Moss Landing Marine Laboratories
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Document Title:

Office of Naval Research (ONR) Support for *R/V Point Sur* Ship Operations – Final Report
Grant Number: N00014-13-1-0581
Grant Period: CY 2013

Key People Associated with this Grant:

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Technical Information and Discussion of Work:

The ONR Ship Operations Award, N00014-13-1-0581, provided support for the *Research Vessel Point Sur* from January 1, 2013 through December 31, 2013. The *R/V Point Sur* is owned by the National Science Foundation (NSF) and operated under a Cooperative Agreement between NSF and the San Jose State University Research Foundation (SJSURF). Moss Landing Marine Laboratories, a consortium campus of the California State University system under the administrative authority of San Jose State University and SJSURF, has been responsible for the scheduling, maintenance and deployment of the vessel. The *R/V Point Sur* is a University-National Oceanographic Laboratory System (UNOLS) vessel and therefore adheres to the UNOLS Research Vessel Safety Standards and other Federal requirements for cost accounting and scheduling. The NSF inspection conducted on May 10, 2012 by NSF and Jamestown Marine Services determined the *R/V Point Sur* to be in compliance with regulations and required standards. The operational and technical capabilities of the vessel can be viewed at the ship's website: <http://marineops.mlml.calstate.edu>.

January 2013 – December 2013

During this period, the *R/V Point Sur* supported the ONR funded project “*Wave-Current Interactions in Coastal Inlets and River Mouths*” with Principal Investigator and Chief Scientist Dr. Thomas H. Herbers of the Naval Postgraduate School. The 24-day cruise began in Moss Landing, California on May 21, 2013 and ended in Astoria, Oregon on June 13, 2013. The work included deployment of drifters, instrumented bottom tripods, and drifting GPS-tracked wave-resolving buoys in ebb and flood currents in the Columbia River Mouth. Bottom tripods with velocity profilers, pressure and surface tracking sensors were deployed in depths ranging from about 10 to 30 meters. Additionally, ship-board ADCP and CTD surveys were conducted to measure the vertical structure of currents and stratification. In addition, scientists Dr. Tim Janssen, Dr. Steve Elgar and Dr. Britt Raubenheimer (WHOI) participated in the cruise. After demobilization, the *R/V Point Sur* embarked on a 4-day transit cruise back to Moss Landing, CA where the vessel arrived at her homeport on June 22, 2013.

On September 16, 2013, John Joseph utilized the *R/V Point Sur* was for the deployment of a noise monitoring mooring to determine the characteristics of the ambient acoustic noise.

All costs for the operation of the vessel are outlined in the budget and briefly include: salaries for crew and shore support, overtime, benefits, maintenance, major overhaul, fuel, food, insurance, supplies, technical support and instrumentation, and miscellaneous costs such as security, rent, and utilities.

Biographical Information for Key Personnel:

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B.S. Marine Transportation, Galveston, Texas, 1984

- Ship's Officer/Relief Master, Scripps Institution of Oceanography, San Diego, CA 1985-2011.
- Marine Superintendent, MLML May 2013-Present

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San Jose State University, 1974. B.A., Biology/Marine Biology

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Professional Positions:

- Director, MLML May 2013 to Present, Interim Director Sept 2011 to May 2013
- Department Chair, MLML 2007 to Aug 2011
- Professor, Associate Professor, Asst. Professor, MLML Jan 1991 to Present